



Technology & Society Division (TS)

RESPONSIBLE ENGINEERING PRACTICE FOR A SUSTAINABLE FUTURE

With a focus on multidisciplinary collaboration and cross-cutting engineering approaches

Technology & Society Division T & S

Our Mission

To advocate and advance a better understanding of the professional responsibilities and opportunities engineers face within our complex global society.

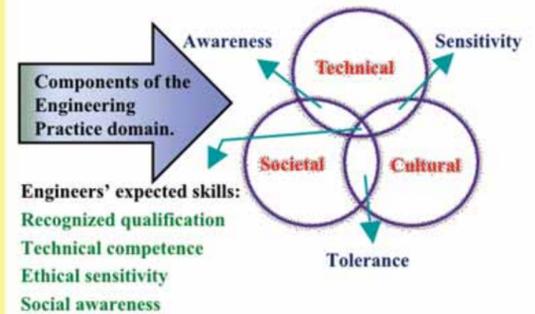


What we do:

We develop and disseminate cross-cutting technical information, public statements, policy advice, social responsibility awareness programs, and continuing education programs and materials to broad audiences within and beyond ASME in ways that support our mission.

Engineering Responsibility and Technology

1. Because of the highly specialized nature of professions which are vital to society (e.g. engineering), the public trusts professionals to self-monitor and regulate (Engineers' Codes of Ethics).
2. Technology products (Engineering projects) are social experiments requiring morally responsible engineering behavior.
3. Engineers have responsibility for protecting the safety and well-being of the public (Implicit Social Contract).
4. Ethics provide a higher call and a stricter frame than legal rules to regulate technology.



Current issues - Globalization of Engineering/Technology and related ethical issues:

1. **Lessons learned from the past:** International disasters, sweatshops vs. economic advancement debate, etc.
2. **Consensus and common standards:** Which standards to apply – host or home?
3. **Impact on the “other” society:** Technology use of resources in poor countries vs. employment debate, technology impact on culture, etc.

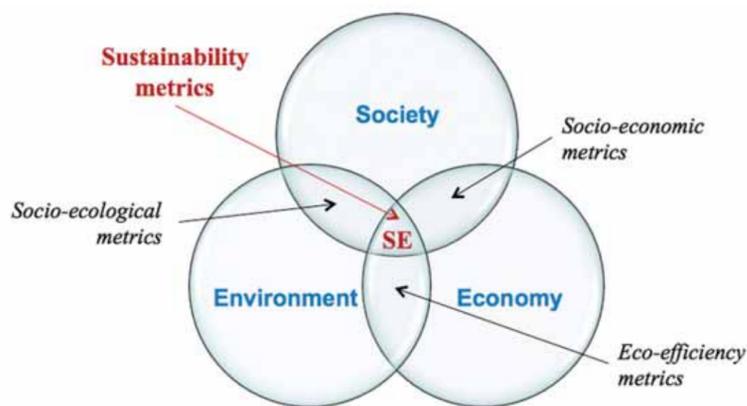
Technology and Society Program Committees



Examples of T&S Activities

- Active membership on the ASME Energy Committee
- Collaboration with the Management and SERAD Divisions on the 2012 Global Engineering Management Conference
- Exploring opportunities with international engineering society-based Future Climate Engineering Solutions
- Participation in the ASME Sustainability Working Group

Featured Focus: Sustainable Engineering



- Sustainability is a broad topic that requires a systems approach, bringing together all fields of engineering, as well as economics. The T&S Division supports the development of appropriate metrics to quantify the goodness of competing options for products and processes from a sustainability viewpoint.

Join the T&S Community!

- The professional opportunities and responsibilities of engineers increasingly demand an appreciation of the environmental, social, legal, and political contexts in which the engineer's work is embedded.
- Visit us at <http://divisions.asme.org/ts/> and help us build a sustainable future within the global engineering community.

